

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A computer-implemented method for a client to obtain access to data under control of a server, the method comprising:

calling by a client object of a request lock method of a server object requesting access to the data; and,

determining by the server object whether to grant access to the data, wherein determining comprises,

assessing whether an additional client has current access to the data,

if the additional client has current access, identifying the access as exclusive or non-exclusive,

deciding to grant access if the additional client access is non-exclusive;

and

when the server object decides to grant the access to the client object, calling by the server object of a lock granted method of the client object,

such that the access by the client object is released when the client object returns the lock granted method.

2. (Original) The method of claim 1, further comprising, prior to calling by the server object of the lock granted method of the client object, deciding by the server object to grant the access to the client object.

3. (Original) The method of claim 1, further comprising returning by the client object of the lock granted method, such that the access by the client is released.

4. (Original) The method of claim 1, wherein the access requested by the client object is one of read-only access and read-and-write access.

5. (Currently Amended) A machine-readable medium having instructions stored thereon for execution by a server object governing access to perform a method comprising:

receiving a call from a client object of a request lock method of the server object requesting ~~the~~ access to data controlled by the server object;

determining to grant the access to the client object, wherein determining comprises

assessing whether an additional client has current access to the data,

if the additional client has current access, identifying the access as exclusive or non-exclusive,

deciding to grant access if the additional client access is non-exclusive;

and,

upon determining to grant the access to the client object, calling a lock granted method of the client object,

such that the access by the client object is released when the client object returns the lock granted method.

6. (Original) The medium of claim 5, wherein the access requested by the client object is one of read-only access and read-and-write access.

7. (Currently Amended) A machine-readable medium having instructions stored thereon for execution by a client object desiring access governed by a server object to perform a method comprising:

calling a request lock method of the server object requesting the access;

receiving a call from the server object to a lock granted method of the client object granting the access if access is available, wherein access is available if any current access is non-exclusive; and,

returning the lock granted method to the server object such that the access is released ~~when the client object returns the lock granted method.~~

8. (Original) The medium of claim 7, the method further comprising returning by the client object of the lock granted method, such that the access by the client object is released.

9. (Original) The medium of claim 7, wherein the access requested by the client object is one of read-only access and read-and-write access.

10. (Currently Amended) A computerized system comprising:
at least one client object, each client object having a lock granted method; and,
a server object governing access to data, the server object having a request lock method, wherein the request lock method of the server object determines access should be granted if any current client access is non-exclusive and if no current client access exists,

such that a client object requests the access to the data by calling the request lock method of the server object, and when the server object decides to grant the access to the client object, the server object calls the lock granted method of the client object, the access released by the client object when the client object returns the lock granted method.

11. (Original) The system of claim 10, wherein the access requested by the client object is one of read-only access and read-and-write access.

12. (Previously Presented) A computerized system comprising:
at least one client object, each client object having a client lock granted method;
a server object governing access to data having a server request lock method;
an object queue to manage the access to the data governed by the server object by having a proxy lock granted method and a proxy lock request method,

such that a client object requests the access to the data by calling the proxy request lock method of the object queue, the object queue then calling the server request lock method of the server object, the server object then calling the proxy lock granted method of the object queue, and the object queue then calling the client lock granted method of the client object.

13. (Original) The system of claim 12, wherein the access is released by the client object when the client object returns the client lock granted method.

14. (Original) The system of claim 12, wherein the access is released by the object queue then the object queue returns the proxy lock granted method.

15. (Original) The system of claim 12, wherein the access requested by the client is one of read-only access and read-and-write access.

16. (Original) A computer-implemented method comprising:
calling by a client object of a proxy request lock method of an object queue requesting client access to data ultimately managed via a server object;

upon determining by the object queue that the object queue currently is not waiting for proxy access to the data, calling by the object queue of a server request lock method of the server object requesting the proxy access;

when the server decides to grant the access to the object queue, calling by the sever object of a proxy lock granted method of the object queue; and,

calling by the object queue of a client lock granted method of the client object.

17. (Original) The method of claim 16, further comprising returning by the client object of the client lock granted method, such that the client access by the client object is released.

18. (Original) The method of claim 17, further comprising upon determining by the object queue that the object queue is empty of client requests, returning by the object queue of the proxy lock granted method, such that the proxy access by the object queue is released.

19. (Original) The method of claim 16, wherein the client access comprises one of read-only access and read-and-write access.

20. (Original) The method of claim 16, wherein the proxy access consists of red-and-write-access.